

GURCOVA, Ye. G.

"Paronychia and Its Treatment," Reviewed by A. K. Kister in Khirurgiya, No.4, 1952.

GUROVA, Ye.G.

Surgical therapy of bronchiectasis. *Veldsher & akush.* no.12:18-22  
Dec 1953. (CML 25:5)

1. Candidate Medical Sciences. 2. Moscow.

KHUDYY, Yu.; GUROVA, Ye.; GOLUBEVA, I.

~~Electric anesthesia.~~ Nauka i zhizn' 23 no.11:63 N '56. (MLRA 9:11)  
(Electric anesthesia)

GUROVA, Ye. G., Doc of Med Sci -- (diss) "Congenital cystic lung (clinical and pathological study)." Moscow, 1957, 22 pp (First Moscow Medical Institute im I. M. Sechenov), 200 copies (KL, 30-57, 112)

USSR / Human and Animal Morphology. Anatomical and  
Respiratory System.

S-1

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64723.

Author : Gurova, Ye. G.  
Inst : Moscow Medical Institute.  
Title : Congenital Cystic Lung (A Clinical and Patho-  
Anatomical Study).

Orig Pub: Avtoref. dis. dokt. med. n., 1-y Mosk. med.  
in-t, M., 1957.

Abstract: No abstract.

Card 1/1

*GUROVA Ye.I.*

ARTYUKH, I.A., dotsent; OSTASHEVSKIY, A.G., kandidat veterinarnykh nauk;  
GUROVA, Ye.I., mladshiy nauchnyy sotrudnik.

Disinfection of meat infected by Salmonella. Sbor.trud.Khar'.vet.  
inst. 21:211-218 '52. (MLRA 9:12)

1. Ukrainskiy institut eksperimental'noy veterinarii, Kafedra  
vetsaneksperitizy Khar'kovskogo veterinarnogo instituta.  
(Meat--Bacteriology) (Salmonella)

1. ANTETKH, I.A., OSTASHEVSKIY, A.G., GUROVA, I. Ye
2. USSR (600)
4. Brucellosis
7. Properties of microbe isolated from "killed" antibrucellosis vaccine for cattle., Veterinaria, 29, No.1, 1952

*Kharkov Vet. Inst. - Ukr. Inst. Egypt. Vet. Med.*

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

USSR/Medicine - Nutrition

FD-3292

Card 1/1

Pub. 141 - 7/19

Author : Artyukh, I. A.; Ostashevskiy, A. G.; Gurova, Ye. I.

Title : Veterinary-sanitary appraisal of poultry carcasses under the conditions of poultry combines

Periodical : Vop. pit., 30-31, Jul/Aug 1955

Abstract : Semi-disemboweled poultry was found to be heavily infected with tuberculosis bacteria, while the completely disemboweled fowls had a better commercial appeal and were free of tuberculosis bacteria. Recommends that all poultry be sold in the completely disemboweled form for sanitary reasons. No references.

Institution : Chair of Veterinary-Sanitary Consultation Khar'kov Veterinary Inst and Division of Hygiene Ural Inst of Experimental Veterinary (Medicine)

Submitted :



ARTYUKH, I.A. [deceased]; OSTASHEVSKIY, A.G.; GUROVA, Ye.I.

Effectiveness of pasteurization of milk on farms with poor tuberculosis and brucellosis records. Vop. pit. 15 no.2:38-44  
Mr-Apr '56. (MIRA 9:7)

1. Iz otdela zoogigiyeny Ukrainskogo instituta eksperimental'noy veterinarii i kafedry veterinarno-sanitarnoy ekspertizy Khar'kovskogo veterinarnogo instituta

(MILK, bacteriology,

Brucella & M. tuberc., eff. of pasteurization (Rus))

(BRUCELLA,

in milk, eff. of pasteurization (Rus))

(MYCOBACTERIUM TUBERCULOSIS,

in milk, eff. of pasteurization (Rus))

GUROVA, Ye. I. Cand Vet Sci -- (diss) "On the stability of certain pathogenic microorganisms in the soil and the antagonistic effect of soil microflora upon them." Khar'kov, 1957. 16 pp (Min of Agr USSR. Khar'kov Vet Inst), 130 copies (KL, 43-57, 90)

LOGVINOV, D.D., dotsent; ~~GIBOVA~~, Ye. I., nauchny sotrudnik; LEVANIDOVA,  
Z.N., st. laborant

Lime mud as mineral supplement and buffer in ensiling corn.  
Veterinariia 35 no. 7:78-80 J1 '58. (MIRA 11:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy  
veterinariii.

(Sugar manufacture--By products)  
(Cattle--Feeding and feeding stuffs)  
(Ensilage)

USSR/Farm Animals. Small Horned Cattle

Q-3

Abr Jour : Ref Zhur - Biol., No 11, 1958, No 50025

Author : Logvinov D.D., ~~Gurova Ya. I.~~

Inst : Ukrainian Scientific Research Institute of Experimental  
Veterinary Sciences.

Title : The Possibility of Utilizing Saturated Residues for Fodder  
Enrichment of Calcium Minerals.

Orig Pub : Byul. nauchno-tekhn. inform. Ukr. n.-i. in-t eksperiment.  
veterinarii, 1957, No 3, 14-16

Abstract : Saturated residue (SR) (residue of sugar production) consists  
of (in percent): 38.51 of water, 89.67 of carbon dioxide  $\text{CO}_2$ ,  
and 0.557 (dry substance) of  $\text{P}_2\text{O}_5$ , as well as of 4 mg per-  
cent of Na and 14 mg percent of K. When young cattle were  
fed SR in dosages of 500 gr per head daily for a period of  
24 days, the health of the animals did not show any signs of  
being impaired. When SR is administered in dosages of 100-  
150 gr per 100 gr of live weight, it does not produce any  
toxic effects.

Card : 1/1

PROKOF'YEVA, M.T., doktor veterinarnykh nauk; DOROSHKO, I.N., kand.  
veterinarnykh nauk; GUROVA, Ye.I., kand.veterinarnykh nauk;  
ZOLOTOV, N.N., veterinarnyye vrachi

Use of furazolidone in the pullorum disease and paratyphoid fever  
of poultry. Veterinariia 38 no.1:41-46 Ja '61. (MIRA 15:4)

1. Ukrainskiy NIIEV.  
(Oxazolidinone) (Poultry—Diseases and pests)  
(Pullorum disease)

PROKOF'YEVA, M.T., doktor veter. nauk; GUROVA, Ye.I., kand.veter. nauk; KIPRICH, V.V., mladshiy nauchnyy sotrudnik

The PPLO antigen in the diagnosis of Mycoplasma infection in poultry by serum drop agglutination reaction. Veterinariia no.12:60-63 D '63.  
(MIRA 17:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy veterinarii.

PROKOF'YEVA, M.T., doktor veterin. nauk; GUROVA, Ye.I., kand. veterin. nauk; TSIMOKH, P.F., kand. veterin. nauk

Viral influenza in ducklings. Veterinariia 40 no.10:  
33-35 0'63. (MIRA 17:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'-  
noy veterinarii.

PROKOF'YEVA, M.T., doktor veterin. nauk; GUROVA, Ye.I., kand. veterin. nauk; KIPRICH, V.V., mladshiy nauchnyy sotrudnik; GERMAN, V.V., mladshiy nauchnyy sotrudnik

Mycoplasma infection in poultry and biological characteristics of its pathogen. Veterinariia 41 no.2:32-35 F '64.

(MIRA 17:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut eksperimental'noy veterinarii.



GUROVA, Ye. P.

"Practical Methods for Designing Embankments." Sub 26 Mar 47, Moscow  
Order of Lenin Inst of Railroad Engineers imeni I.V. Stalin

Dissertations presented for degrees in science and engineering in  
Moscow in 1947

SO: Sum No. 457, 18 Apr 55

GURCOVA, YE. P.

"Anatomical-clinical aspects of metastatic bronchogenic cancer of the brain." Khar'kov Medical Inst. Khar'kov, 1956. (Dissertations for the Degree of Candidate in Medical Science)

So: Knizhaya letopis', No. 16, 1956

RODNOV, V.I.; MARTYNOV, B.P.; VASIL'YEV, N.V.; NIKOLAYENKO, B.Z.; GUROY, Ye.P.;  
VOLCHKOV, Ye.P.; NICHKOV, V.N.; MARKELOV, I.A.; GUBANOV, M.V.

What does your association offer for the 43d anniversary of the Great  
October? Chiefs of all-union associations speak. Vnesh. torg. 30  
no.10:28-33 '60. (MIRA 13:10)

1. Predsedatel' Vsesoyuznogo ob'yedineniya "Mashinoeksport" (for  
Rodnov). 2. Predsedatel' Vsesoyuznogo ob'yedineniya "Mashonoimport"  
(for Martynov). 3. Predsedatel' Vsesoyuznoye ob'yedineniye  
"Mashpriborintorg" (for Vasil'yev). 4. Predsedatel' Vsesoyuznogo  
ob'dineniya "Tekhnopromimport" (for Gubanov). 5. Ispolnyayushchiy  
obyasannosti predsedatelya Vsesoyuznogo ob'yedineniya "Soyuzpromeksport"  
(for Nikolayeko). 6. Predsedatel' Vsesoyuznogo ob'yedineniya  
"Soyuznefteeksport" (for Gurov). 7. Predsedatel' Vsesoyuznogo  
obyedineniya "Promsyr'yeimport" (for Volchkov). 8. Predsedatel'  
Vsesoyuznogo ob'yedineniya "Eksportles" (for Nichkov). 9. Predsedatel'  
Vsesoyuznogo ob'yedineniya "Raznoeksport" (for Markelov).  
(Russia--Commerce)

GUROVA, Ye.P., kand.med.nauk (Khar'kov)

Arachnoid endotheliomas with atypical localization. Vop. neuro-  
khir. 27 no.3:33-36 My-Je '63. (MIRA 17:9)

1. Otdel neyrokhirurgii (zav. - prof. M.S.Gorbachev), otdel  
nevrologii (zav. - prof. L.B.Litvak), laboratoriya patomorfologii  
(zav. - doktor med.nauk Kh.N.Zil'bershteyn) Ukrainskogo nauchno-  
issledovatel'skogo psikhonevrologicheskogo instituta.

GUROV, Ye.P.; GROVA, Ye.P.

Small Mesozoic intrusions in the northwestern part of the Stanovoy Range. Dokl. AN SSSR 162 no.2:401-404 My '65. (MIRA 18:5)

1. Institut mineral'nykh resursov, Simferopol'. Submitted February 8, 1965.

PAVLONSKIY, Ya.M. [deceased]; GUROVA, Ye.P.

Clinical aspects and pathological anatomy of malignant adenomas  
of the hypophysis. Zhur. nevr. i psikh. 63 no.10:1493-1498 '63.  
(MIRA 17:5)

1. Otdel neyrokhirurgii (zav. -- prof. M.S. Gorbachev) Ukrainskogo  
nauchno-issledovatel'skogo psikhonevrologicheskogo instituta  
(dir. O.R. Stepanenko), Khar'kov.

GUREV, Y.S.; GUREV, Y.S.

Characteristics of the zoning and genesis of andesine phenocrysts in hypabyssal rocks as revealed by a study of small intrusions in the Stanovoy Range. Dokl. AN SSSR 163 no.6:1467-1469 Ag '65.  
(MIRA 18:8)

1. Institut mineral'nykh resursov, Siferopol'. Submitted May 13, 1965.

GUREV, Ye.S.; GUREVA, Ye.P.

Characteristics of the zoning and genesis of scapolite phenocrysts  
in hypabyssal rocks as revealed by a study of small intrusions in  
the Stanovoy Range. Dokl. AN SSSR 163 no.6:1467-1469 Ag '65.  
(MIRA 18:8)

1. Institut mineral'nykh resursov, Simferopol'. Submitted May 13,  
1965.



GUROVA, E.V.

Among the Reports of the Academy of Sciences of the USSR, an article by GUROVA, E.V. "Influence of soporifics on the reestablishment of the functions of the spinal column in paralysis" (Physiology) is listed.

SO: Doklady Akademii Nauk SSSR, #9, Vol LI, 1946, Unclassified.

GUROVA, YE. V.

Gurova, Ye. V. "The role of left-handedness in the symptomatology of brain injuries", in the collection: Nevrologiya voyen. vremeni, Vol. 1, Moscow, 1949, p. 163-76.

SO: U-411, 17 July 1953, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949)

GUROVA, Ye.V.

Conditioned electro-protective reflex with an autotransplanted  
extremity in dogs. Biul.eksp.biol.med. 41 no.5:7-10 May '56.

(MIRA 9:8)

1. Iz nauchno-issledovatel'skogo instituta eksperimental'noy  
khirurgicheskoy apparatury i instrumentov (dir. kandidat meditsin-  
skikh nauk M.G.Anan'yev) Ministerstva zdravookhraneniya SSSR, Moskva.  
Predstavlena deystvitel'nym chlenom AMN SSSR V.N.Chernigovskim.

(REFLEX, CONDITIONED

protective electric on autotransplanted extremity in dogs)



DER, Ye. V., DUBINSKI, A. E., ZHURAVIN, I. A., ZHURAVIN, I. A.,  
 SERGEYEV, S. A., SOKOLOV, L. D., VILK, V. I., ZHURAVIN, I. A.,  
 LAPTEV, A. G., HADZHIY, S. E., ZHURAVIN, I. A.

Apparatus for the conservation of whole organs by chilling with artificial  
 circulation and its use in experiments on transplantation of extremities and  
 kidneys of dogs .... 177

Novye khirurgicheskie apparaty i instrumenty i opyt ikh primeneniye (New  
 SURGICAL Equipment and Instruments and Experience in Their Use) NO. 1,  
 Moscow, 1957 A collection of Papers of the Scientific Research Inst.  
 for Experimental Surgical Equipment and Instruments.

NIIEKHA 1

GUROVA, Ye. V.

7

ANAN'YEV, M.G.; GOLUBEVA, I.V.; GUROVA, Ye.V.; KASHCHLEVSKAYA, L.A.;  
LEVITSKAYA, L.A.; KHUDYY, Yu.B.

Preliminary data on experimental electronarcosis induced with an  
apparatus developed by the Research Institute for Experimental  
Surgical Apparatus and Instruments [with summary in English].  
Eksp. khir. 2 no.4:3-7 J1-Ag '57. (MIRA 10:11)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy  
khirurgicheskoy apparatury i instrumentov (dir. M.G. Anan'yev)  
Ministerstva zdravookhraneniya SSSR.  
(ELECTRONARCOSIS, exper.  
induction with special appar.)

EXCERPTA MEDICA Ser 2 Vol 12/2 Physiology Feb 59

828. INCREASED SENSITIVITY TO STIMULI OF THE TISSUES IN AN AUTO-TRANSPLANTED LIMB (Russian text) - Gurova E. V. Inst. for Exp. Surg., Moscow - BYULL. EKSPER. BIOL. I MED. 1957, 43/3 (39-42) Tables 1  
Illus. 2

In experiments on 20 dogs, using determination of rheobase and chronaxy in muscles and motor nerves, the reactivity of tissues in a transplanted limb to administration of sodium bromide, caffeine, ACh and adrenaline was studied at different times after the operation. It was found that the denervated limb has a higher susceptibility to drugs. According to the rheobase the reactivity of the transplanted limb to adrenaline was 12 times higher, and to bromides and ACh, according to the chronaxy, 6 times higher as compared with the reactivity of the intact limb. The increased reaction of the tissues of the transplanted limb decreases with the restoration of innervation. References: 2. Sbitneva - Moscow (S)

GUROVA, Ye.V.

Local effect of sodium bromide on tissues of the extremity. Biul. eksp.  
biol. med. 47 no.5:76-79 My '59. (MIRA 12:7)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy khirurgicheskoy apparatury i instrumentov (dir. M.G. Anan'yev) Ministerstva zdavookhraneniya SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR S.V. Anichkovym.

(BROMIDES, effects,

sodium bromide, local eff. on animal extremity (Rus))



GUROVA, Ye.V.

The reflex nature of tissue anesthesia in electronarcosis. Fiziol.  
zhur. 46 no.6:7370743 Je '60. (MIRA 13:8)

1. From the department of physiology, Medical Institute, Kemerovo.  
(ELECTRIC ANESTHESIA)

GUROVA, Ye.V.; MAMISH, A.M.; SHIN, N.F.

Characteristics of the blood circulation in autotransplanted  
extremities in dogs. Fiziol. zhur. 48 no.2:201-206 F '62.  
(MIRA 15:2)

1. From the Department of Physiology, Medical Institute, Kemerovo.  
(BLOOD\_\_CIRCULATION) (EXTREMITIES (ANATOMY)\_\_TRANSPLANTATION)

L 20136-65 Pb-4/Pa-4/ AMD/SSD

ACCESSION NR: AR4039382

S/0:99/64/000/008/K021/M021

SOURCE: Ref. zh. Biologiya, Abs. 8M124

AUTHOR: Barbarash, N. A.; Gurova, Ya. V.

TITLE: Physiological characteristics of a dog's homotransplanted extremity

CITED SOURCE: Sb. III Vses. konferentsiya po peresadke tkaney i organov, 1963. Yerevan, 1963, 264-265

TOPIC TAGS: dog, homotransplantation, homotransplant viability, cortisone, antibody, blood serum

TRANSLATION: The life span of homotransplanted extremities was increased in 10 dogs by means of cortisone. Viability of the extremity homotransplant was increased by  $2\frac{1}{2}$  times and in 1 case was increased to 40 days. An investigation of the immunological reaction by a hemagglutination method showed that cortisone does not inhibit the appearance of antibodies in the recipients' blood serum.

SUB CODE: LS  
Card 1/1

ENCL: 00

ACCESSION NR: AR4036350

8/0299/64/000/007/M018/M018

SOURCE: Referativnyy zhurnal. Biologiya, Abs. 7M126

AUTHOR: Gurova, Ye. V.; Shin, N. F.; Mamish, A. M.; Kazakevich, N. P.;  
Ushatskaya, Z. V.; Babbarash, N. A.

TITLE: A study of the basic processes of the vital activity of transplanted  
extremities in dogs

CITED SOURCE: Sb. 5-ya Nauchn. konferentsiya. Kemerovsk. med. in-t, Kemerovo,  
1963, 11-15

TOPIC TAGS: organ transplant, autotransplantation, homotransplantation, tissue  
preservation, extremity transplant

TRANSLATION: The basic processes of vital activity were studied in the extrem-  
ities of dogs at various time intervals after auto-(47) and homotransplantation  
(30). The extremity was amputated at the middle third of the femur and then  
joined to the following bone segments with the aid of a metal pin. After auto-  
transplantation, the percent Hb and the number of erythrocytes decreased, whereas  
the erythrocyte sedimentation rate and the number of leukocytes increased.

Cord. 1/2

ACCESSION NR: AR4036350

Sensory-motor functions in the transplanted extremity were restored in the course of several years. The extremity of the dog started to function 2-3 months after the operation; after 6 months, the support on the rear area of the foot was replaced by support on the sole of the foot. After homotransplantation, the increasing activity of the tissues of the transplanted extremity did not prevent its death; in response to the introduction of the products of the vital activity of the homotransplant into the host's body, there was an increased production of antibodies. N. S.

DATE ACQ: 17Apr64

SUB CODE: LS

ENCL: 00

Card 2/2

GURCVA, Ye.V.

Role of the sympathetic nervous system in the restoration of  
function of a reimplanted limb in dogs. Fiziol. zhur. 49 no.5:  
570-574 My '63. (MIRA 17:11)

1. From the Department of Physiology, Medical Institute, Kemerovo.

BUDESINSKY, B.; GUROVIC, J.

Spectrophotometric examination of glycine cresol red reaction with hydrogen and copper (II) ions; Determination of copper traces in uranium. Coll Cz Chem 28 no. 5: 1154-1161 My '63.

1. Institut für Kernforschung, Tschechoslowakische Akademie der Wissenschaften, Řež bei Prag.

GUROVIC, J.

CZECHOSLOVAKIA

BUDESINSKY, B; GUROVIC, J.

Institute of Atomic Research, Czechoslovak Academy of  
Science, Rez by Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications,  
No 5, 1963, pp 1154-1161

"Spectrophotometric Examination of the Reaction of  
Glycine Cresol with  $H^+$  and  $Cu^{2+}$  Ions. Determination  
of Traces of Copper in Uranium."



Gurovich, A.G.

MICROWAVES

"Quadratic Relationships for Media with Tensor Parameters", by A.G. Gurovich, Radiotekhnika i Elektronika, No 8, August 1957, pp 960-968.

General quadratic relationships (such as the Lorentz or the Poynting-Umov equations), which are of great significance in electrodynamics, are obtained for complex amplitudes in the case of media with tensor parameters. These equations, together with the use of perturbation theory, lead to formulas for hollow systems (regular and irregular waveguides and resonators) containing media with tensor parameters.

By E.P. Felch and J.L. Potter, Transactions of AIEE, Part I, Vol. 72, 1953.

Card 1/1

- 39 -

GUROVICH, Arnel'd Naumovich; KAS'KOV, S.I., otvetstvennyy red.; KAZAROV,  
Yu.S., red.; LEVOCHKINA, L.I., tekhn.red.

[Design and construction of cargo handling devices for ships]  
Raschet i konstruirovaniye sudovykh gruzovykh ustroystv. Leningrad,  
Gos.soiuznoe izd-vo sudostroit. promyshl., 1958. 293 p. (MIRA 11:6)  
(Masts and rigging) (Cargo handling)

GURK VICH, A.N., inzh.

Utilizing lightweight derricks for hoisting heavy cargo.

Sudostroenie 24 no.3:18-20 Mr '58.

(MIRA 11:4)

(Cranes, derricks, etc.)

GUROVICH, A.N., inzh.

New, dry-cargo motorships of the "Beloretsk" type. Sudostroenie  
29 no.11:1-5 N '63. (MIRA 16:12)

GUROVICH, A.N., inzh.

Safety factor norms for the strength of loading equipment. Sudostroenie 26 no.6:16-18 Je '60.

(MIRA 13:7)

(Marine engineering)

(Cargo handling--Equipment and supplies)

S/032/61/027/012/003/015  
B119/B147

AUTHORS: Sokolova, E. I., and Gurovich, A. N.

TITLE: Phase analysis of some germanium compounds

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 12, 1961, 1472 - 1473

TEXT: A method for the phase analysis of  $\text{GeS-GeS}_2\text{-GeO}_2$  mixtures was developed. The mixtures were synthesized from spectroscopically pure  $\text{GeO}_2$ ,  $\text{GeS}$  (synthesized by passing  $\text{H}_2\text{S}$  over metallic, powdered germanium at  $800 - 850^\circ\text{C}$ ), and  $\text{GeS}_2$  precipitated from 6N sulfuric acid solution by  $\text{H}_2\text{S}$ . Separation of  $\text{GeS}$  from  $\text{GeS}_2$  and  $\text{GeO}_2$  is possible since  $\text{GeS}$  does not dissolve in water.  $\text{GeS}_2$  is dissolved in water under liberation of  $\text{H}_2\text{S}$  while  $\text{GeS}$  precipitates. Apparatus: A 50 milliliter Wurtz flask to which three series-connected washing bottles are attached. The weighed sample is treated with water in the flask. The separating  $\text{H}_2\text{S}$  is collected by

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Phase analysis of some...

S/032/61/027/012/003/015  
B119/B147

a standardized and measured iodine solution contained in the washing bottles. The iodine not consumed is back-titrated by thiosulfate, and the  $\text{GeS}_2$  content is calculated. The  $\text{GeS}$  residue is filtered off, washed with water and methanol, dried at  $30 - 40^\circ\text{C}$ , and weighed. The  $\text{GeO}_2$  content is determined from the difference between weighed-in portion and the weight of  $\text{GeS} + \text{GeS}_2$ . There are 3 tables and 6 references: 3 Soviet and 3 non-Soviet. The reference to the English-language publication reads as follows: US Patent no. 2865712. ✓

ASSOCIATION: Institut metallurgii im. A. A. Baykova (Institute of Metallurgy imeni A. A. Baykov)

Card 2/2

BRAGINSKIY, M.A., inzh.; METS, M.M., inzh.; GURNOVICH, A.V., inzh.; ZREZARTSEV,  
N.P., inzh.; AMLINSKIY, L.Z., inzh.

Modernization of the PM-3 machine for area measurements. Nauch.-  
issl.trudy Ukr NIIKP no.13:77-88. '62.

(MIRA 18:2)



124-57-1-790

Translation from: Reverativnyy zhurnal, Mekhanika, 1957, Nr 1. p 105 (USSR)

AUTHOR: Gurovich, B.M.

TITLE: The Hydraulic Resistance of an Immovable Layer of Cotton-wool  
(Gidravlicheskiye soprotivleniye nepodvizhnogo sloya khlopka-syrtsa)

PERIODICAL: Tr. Sredneaz. politekhn. in-ta, Tashkent, Gosizdat UzSSR.  
1955, pp 442-446

ABSTRACT: The paper presents the results of experiments relative to the hydraulic resistance offered by a layer of cotton-wool 100 and 200 mm high in an air-flow velocity varying between  $\omega = 0.1$  m/sec and  $\omega = 1.7$  m/sec, with a moisture content of between 6.45 and 27 percent of the absolutely dry weight of the cotton-wool, and with a packing density of  $57.477 \text{ kg/m}^3$  as referred to absolutely dry cotton-wool. A description of the test set-up is offered, and the curves of the function  $\Delta p = f(\omega)$  are adduced. The test data have served to establish empirical formulas which characterize the hydraulic resistance of the cotton-wool.

1. Materials--Hydrodynamic characteristics V.A. Karpychev

Card 1/1

--Test results

124-57-2-2034D

Translation from: Referativnyy zhurnal, Mekhanika, 1957, N° 2, p 79 (USSR)

AUTHOR: Gurovich, B. M.

TITLE: The Drying of Cotton-wool in a Drum Drier With Heated Air  
Crossflow (Sushka khlopka-syrtsa v barabannoy sushilke s  
perekrestnym potokom nagretogo vozdukha)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree  
of Candidate of Technical Sciences, presented to the Energ. in-t  
AN UzSSR (Power Institute, Academy of Sciences, Uzbek SSR),  
Tashkent, 1956.

ASSOCIATION: Energ. in-t AN UzSSR (Power Institute, Academy of Sciences,  
Uzbek SSR), Tashkent,

1. Cotton--Dehydration 2. Wool--Dehydration 3. Dehydrators--Performance

Card 1/1

GUROVICH, B.M.

Hydraulic resistance of an immobile layer of raw cotton.  
Trudy Sred.-Az. politkhn. inst. no.3:23-27 '57. (MIRA 13:6)  
(Cotton) (Pneumatic tube transportation)

GUROVICH, B.M.

Drying raw cotton in drum-type driers with cross flow of heated  
air. Izv.AN Uz.SSR. Ser.tekh.nauk no.4:23-29 '58.

(MIRA 11:11)

1. Sredneaziatskiy politekhnicheskiy institut.  
(Cotton—Drying)

GUROVICH, B.M., kand.tekhn.nauk

Hydraulic resistance of a stationary layer of cottonseeds. Masl.  
-zhir.prom. 29 no.1:16-18 Ja '63. (MIRA 16:2)

1. Tashkentskiy politekhnicheskiy institut.  
(Cottonseed—Storage)

GUROVICH, B.M., kand. tekhn. nauk

True specific weight of cottonseeds. Masl.-zhir. prom. 29  
no.8:15 Ag '63. (MIRA 16:10)

1. Tashkentskiy politekhnicheskiy institut.

GUROVICH, D. S.

USSR

"Effect of Penicillin on the Cellular Reactions of the Organism."

Thesis for degree of Cand. Biological Sci. Sub 16 Jun 50, All-Union Sci  
Res Chemicopharmaceutical Inst imeni S~~h~~ergo Ordzhonikidze

Summary 71, 4 Sept 52. Dissertations Presented for Degrees in Sci. And  
Engi. in Moscow in 1950. From Vechernyaya Moskva. Jan-Dec 1950

BOGACHEVSKIY, Mikhail Borisovich, prof.; GUROVICH, F.G., red.

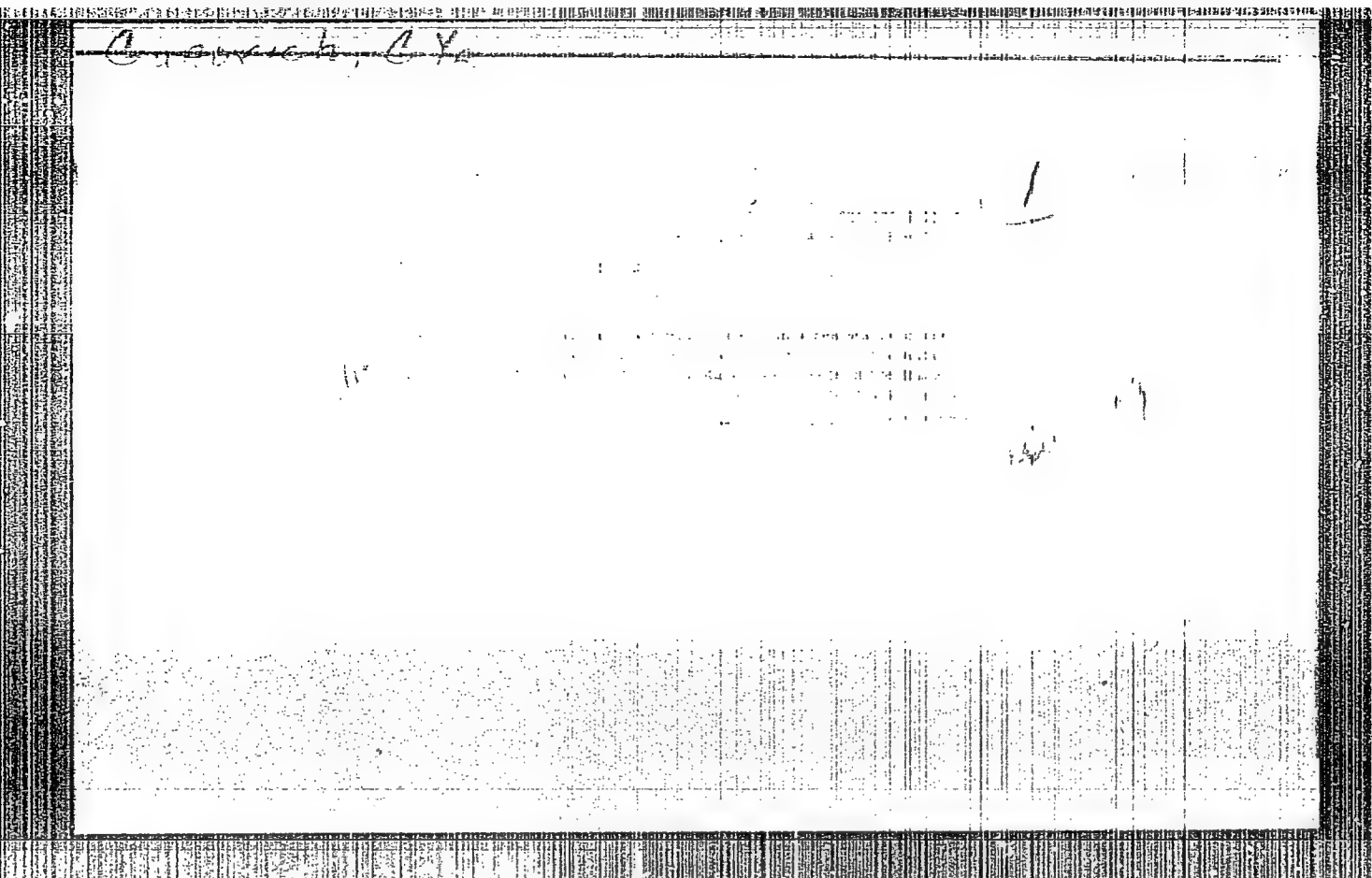
[Finance and credit in the U.S.S.R.] Finansy i kredit  
SSSR. Moskva, Ekonomika, 1964. 337 p.

(MIRA 17:11)



"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617510009-2



APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617510009-2"

AID P - 4912

Subject : USSR/Electronics

Card 1/1 Pub. 90 - 6/10

Author : Gurovich, G. Ya.

Title : Positive current feedback in low-frequency amplifiers

Periodical : Radiotekhnika, 6, 58-62, Je 1956

Abstract : The author considers that the theory of negative feedback in amplifiers is well developed, but at the expense of the theory of positive feedback in low frequency amplifiers. In order to reduce frequency and phase distortions generated by the amplifier, he applies a positive current feedback. The author demonstrates that several types of positive feedback circuits permit obtaining a full compensation of distortions without any reduction of the amplification factor of the cascade. Four diagrams, 4 Soviet references (1939-1954).

Institution : None

Submitted : N 17, 1955

GUROVICH, G.Ya.

Low frequency power amplifier with distortion compensation.  
Radiotekhnika 13 no.8:50-53 Ag '58. (MIRA 11:9)

1. Daystvitel'nyy chlen Nauchno-tekhnicheskogo obshchestva radio-  
tekhniki i elektrosvyazi im. A.S. Popova.  
(Amplifiers, Electron-tube)

9(2)

SOV/115-59-4-14/27

AUTHOR: Gurovich, G.Ya.

TITLE: A Balancing Transformer for Feeding AC Bridge Circuits (Simmetriruyushchiy transformator dlya pita-niya mostovykh skhem peremennogo toka)

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 4, pp 26-27 (USSR)

ABSTRACT: A number of ac bridge circuits requires the application of feed transformers which are balanced and shielded in regard to ground. However, such transformers are very complicated and have a number of deficiencies. Therefore, the author suggests a simple balancing transformer. Its circuit arrangement is shown in a diagram. The transformer circuit permits simultaneous balancing of the feed transformer and the bridge. The transformer has an additional winding, located as a screen between the primary and secondary windings, which is loaded by a potentiometer with a grounded slide. The application of this transformer will provide the required accuracy when measuring the angle of dielec-

Card 1/2

SOV/115-59-4-14/27

A Balancing Transformer for Feeding AC Bridge Circuits

tric losses of insulation materials at sound frequencies. The tube voltmeter MVL-2M is used as a zero indicator. There are 1 circuit diagram and 3 Soviet references.

Card 2/2

9(2), 28(2)

SOV/115-59-9-22/37

AUTHOR:

Gurovich, G.Ya.

TITLE:

Decreasing the Lower Limit of Inductance Measurements by Combining the Bridge Method With the Substitution Method

PERIODICAL:

Izmeritel'naya tekhnika, 1959, Nr 9, p 42 (USSR)

ABSTRACT:

The author recommends the using of an inductance box when measuring small inductances or inductances of low Q-factor coils at sound frequencies by the bridge method. The accuracy of inductance measurements by the bridge method decreases sharply at sound frequencies when small inductances are to be measured. The lower limit of the UM-2 bridge is 100 microhenry. In plant practice much lower inductances must be measured, for example, inductances of delay line coils which are around 30 microhenry. Measuring their inductances is almost impossible by the ordinary methods because of their extremely low Q-factor. The inductance box is connected in parallel with the inductance to be measured. The high

Card 1/2

SOV/113-5, 1-9-22/31

Decreasing the Lower Limit of Inductance Measurements by Combining  
The Bridge Method With the Substitution Method

Q-factor of the inductance box produces adequate conditions for a proper functioning of the bridge without affecting the measuring results. This method was tested during 18 months under shop conditions for testing delay lines with an UM-2 bridge and a MI inductance box. The author describes briefly the measuring procedure. This method eliminates the errors caused by the bridge. The Kiev "Toch-elektropribor" plant produces the MI with an accuracy of  $\pm 1$  microhenry. Under consideration of the corrections indicated in the certificates of the boxes, the accuracy of measuring small inductances will be still higher. This will be true also for bridges of the UM-3 type. The Q-factor may not be measured with this method. There are 1 circuit diagram and 1 Soviet reference.

Card 2/2

AUTHOR: Gurovich, G. Ya., Member of the SOV/108-13-8-8/12  
Society

TITLE: Low Frequency Power Amplifier With Compensation of Distortions  
(Usilitel' moshchnosti nizkoy chastoty s kompensatsiyey iska-  
zheniy)

PERIODICAL: Radiotekhnika, 1958, Vol. 13, Nr 8, pp. 50 - 53 (USSR)

ABSTRACT: The author investigates a circuit diagram by which a compensation  
of the frequency-, amplitude, and of the non-linear noise  
distortions is achieved according to a method incorporating no  
decrease of the amplification factor. In this circuit a voltage  
is used for this compensation in which the effective voltage  
contained in that voltage and to be amplified is lacking. Different  
from the balancing scheme the backfeed voltage in this circuit  
does not depend on the degree of the distortion compensation.  
The backfeed voltage is applied to the amplifier and decreases  
the distortions at the load resistance without having effect  
on the magnitude of the backfeed voltage itself, i.e. without  
decreasing it. Therefore there is also no necessity to amplify  
the backfeed voltage. The author writes down the principal  
scheme of such an amplifier and gives the formula for the

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Low Frequency Power Amplifier With Compensation of Distortions

SOV/100-13-8-8/12

cascade amplifier factor (1). The analysis of the circuit shows that a complete compensation takes place in the case of identical cascades, i.e. when the voltages formed in the semicascades because of distortions of all kinds are equal to each other. When this is not the case a complete compensation takes place only with the same components of these distortions. The difference in magnitude of the latter can in calculation parameters not be compensated by the circuits. In practice a more complete compensation can be obtained by the trimming of the circuit (by regulation of the potentiometer) according to the distortion minimum at the load resistance. The deficiencies of the circuit investigated as compared to the push-pull circuit are the following: the presence of two transformers, their operation with a magnetization that cannot be used in the case of the modes of operation B and AB. However, in the case of a cascade power of 4 and more valves there exists the possibility to group them in such a way that every semicascade of the circuit investigated is an ordinary push-pull cascade. Then the circuit has the advantages of a push-pull cascade, the modes of operation B and AB are possible and the magnetization of the transformer is

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Low Frequency Power Amplifier With Compensation of  
Distortions

SOV/108-13-0-0/12

removed. As regards the two transformers this shortcoming can  
be removed, e.g. as in reference 4. There are 1 figure and  
4 references, which are Soviet.

SUBMITTED: September 18, 1956 (initially) and May 20, 1957 (after revision)

1. Low frequency amaplifters--Circuits
2. Electric circuits--Analysis
3. Phase distortion--Countermeasures

Card 3/3

GUROVICH, I.Ya.

Treatment of neurologic side manifestations appearing following  
the administration of neuroleptics. Vop.klin., patog. i lech. shiz.  
no.1:34-36 '64. (MIRA 18:5)

1. Otdel psikhofarmakologii (zav. - kand.med.nauk G.Ya.Avrutskiy)  
Gosudarstvennogo nauchno-issledovatel'skogo instituta psikiatrii  
Ministerstva zdravookhraneniya RSRSR.

GUROVICH, I. I.

25777. GUROVICH, I. M. Uspekhi Zherdvskego sakharnogo zavoda. Sakhar.  
Prom-st: 1949, No. 7, s. 12-14

SO: Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

GUROVICH, I. N.

Modification of a classifier for carbonated juice. I. N. Gurovich (Sugar Refinery, Zhetysay). ~~Schutnyaya~~ ~~1984~~  
V. R. Balfow  
1984-11(1984).

GUROVICH, I.M.

Duration of production season in sugar-factories. Sakh.prom.  
30 no.5:31-32 My. '56. (MIRA 9:9)

1.Zherdevskiy sakharnyy zaved.  
(Sugar industry)

SEL'TSER, I.G.; GUROVICH, I.M.

Mechanization of labor-consuming work at the Zherdevka Sugar Plant.  
Sakh. prom. 31 no.2:28-34 F '57. (MLRA 10:4)

1. Zherdevskiy sakharный zavod.  
(Zherdevka--Sugar industry) (Loading and unloading)

ZAL'KINDSON, Yevgeniy Il'ich; NEFEDOV, Yevgeniy Yevgen'yevich; GUROVICH,  
I.Ya., red.; VORONETSKAYA, L.V., tekhn. red.; ZABRODINA, A.A.,  
tekhn. red.

[Steel Taintor gates for hydraulic engineering construction]  
Segmentnye stal'nye zatvory gidrotekhnicheskikh sooruzhenii.  
Moskva, Gos. energ. izd-vo, 1958. 168p. \_\_\_\_\_ [Atlas of  
designs] Atlas konstruktsii. 1958. 39 diagrams. (MIRA 11:9)  
(Sluice gates)



BORISEVICH, Sofroniy Prokof'yevich; GUROVICH, I.Ya., red.; ZHITNIKOVA,  
O.S., tekhn. red.

[Double-wing sluice gates] Dvustvorchatye vorota shliuzov. Moskva,  
Gos. energ. izd-vo, 1961. 144 p. (MIRA 14:7)  
(Sluice gates)

GUROVICH, I.Ya.

Clinical characteristics of and some endocrinological indices in schizophrenia developing during the climacteric. Trudy Gos. nauch.-issl.inst.psikh. 27:76-82 '61. (MIRA 15:10)

1. Moskovskaya klinicheskaya psikhonevrologicheskaya bol'nitsa No.4 imeni Gannushkina. Glavnyy vrach - V.N.Rybalka. Nauchnyy rukovoditel' - prof. S.G.Zhislin.  
(CLIMACTERIC) (SCHIZOPHRENIA) (ENDOCRINE GLANDS)

AVRUTSKIY, G.Ya.; GUROVICH, I.Ya.

Some problems concerning the use of stelazine in clinical treatment of schizophrenia. Trudy Gos.nauch.-issl.inst.psikh. 35:199-209 '62. (MIRA 16:2)

1. Otdeleniye psikhozov pozdnogo vozrasta (zav. otdeleniyem - prof. S.G. Zhislin) i otdeleniye psikhofarmakologii (zav. otdeleniyem - kand.med.nauk G.Ya. Avrutskiy) Gosudarstvennogo nauchno-issledovatel'skogo instituta psikiatrii i Moskovskaya klinicheskaya psikhonevrologicheskaya bol'nitsa No.4 imeni Gannushkina (glavnyy vrach bol'nitsy - V.N. Rybalka).  
(SCHIZOPHRENIA) (STELAZINE)

FEDOTOV, D.D., prof., otv. red. SEGAL, B.M., zam. otv. red.;  
AVERBAKH, Ya.K., red.; AVRUTSKIY, G.Ya., red.; ALEKSANDROVSKIY,  
Yu.A., red.; BALASHOVA, L.N., red.; BELKIN, A.I., red.;  
GUROVICH, I.Ya., red.

[Problems of exogenous and organic neuropsychic disorders;  
materials of the scientific conference of the State Scientific  
Research Institute of Psychiatry of the Ministry of Public  
Health of the R.S.F.S.R. March 1964] Voprosy ekzogennykh i or-  
ganicheskikh nervno-psikhicheskikh rasstroystv; materialy na-  
uchnoi konferentsii Gosudarstvennogo nauchno-issledovatel'skogo  
instituta psikhii MZ RSFSR. Mart 1964. 164 p. No.2. 1964.  
164 p. (MIRA 17:9)

1. Moscow. Gosudarstvennyy nauchno-issledovatel'skiy institut  
psikhii. 2. Direktor Gosudarstvennogo nauchno-issledovatel's-  
kogo instituta psikhii Ministerstva zdravookhraneniya  
RSFSR (for Fedotov). 3. Otdel psikhovozrozhdeniya Gosu-  
darstvennogo nauchno-issledovatel'skogo instituta psikhii  
Ministerstva zdravookhraneniya RSFSR (for Belkin). 4. Otdel  
ekzogennykh nervnopsikhicheskikh rasstroystv Gosudarstvennogo  
nauchno-issledovatel'skogo instituta psikhii Ministerstva  
zdravookhraneniya RSFSR (for Segal). 5. Gosudarstvennyy nauchno-  
issledovatel'skiy institut psikhii Ministerstva zdravoo-  
okhraneniya RSFSR (for Averbakh).

ACCESSION NR: AP5007983

8/0246/64/064/010/1964/1571

AUTHOR: Gurovich, I. Ya.; Kel'mishkevich, E. G.

TITLE: Certain complications in treatment with psychotropic agents

SOURCE: Zhurnal nevropatologii i psikiatrii, v. 64, no. 10, 1964, 1559-1563

TOPIC TAGS: drug treatment, nervous system drug, psychoneurotic disorder

Abstract: In recent years an increasing number of reports have appeared on an unusual complication -- toxic delirium developing during the treatment of mentally ill patients with psychotropic agents. Such delirious states have been described in treatment with reserpine, pakatal, tofranil, levomepromazine with imipramine, taxilan, and also megafen with atozil, fazein, melleril, and truxal. Delirium develops upon a sharp increase or decrease in dosage and it is manifested by obscuring of consciousness with the appearance of auditory, visual scene-like and hallucinations with moderate motor restlessness and hyperkinesia in the form of myoclonia and gross tremor. The authors observed complications similar to those described in the literature as well as others resembling them, but differing in characteristics of pathogenesis and clinical history. Among the first are 11 cases of toxic delirium developing in the course of treat-

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ACCESSION NR: AP5007983

ment with psychopharmacological agents in 9 patients aged 25 to 74 years. Seven patients were treated for four periodic forms of schizophrenia, 2 for the depressive phase of manic-depressive psychosis. The delirium developed in the course of aminazine treatment (dosages of 450 and 500 milligrams per day), aminazine (600 milligrams) with reserpine (3 milligrams), nozinan (25, 75, and 250 milligrams), etaperazine (120 milligrams) tofranil /imizin/ (150 and 300 milligrams), parnat (40 milligrams) at different stages of therapy. It was found that the condition developing in the course of treatment with psychotropic agents is characterized by the following features and dynamics: in all patients, with the exception of one treated with only tofranil, motor extrapyramidal disturbances appeared; in the course of therapy, pronounced general constraint with heightened muscle tone appeared, along with characteristic poses in which the hands were turned in toward the trunk and bent at the wrists, and slurred speech. Sometimes acathisia and trembling of the fingers and tongue were simultaneously observed. The delirium disappeared only after complete substitution of preparations (reduction of dosage had no dependable effect); sleep was restored, hyperkinesia disappeared or diminished (in some of the patients it was observed even for several days thereafter). A distinctive afterstage with symptoms of euphoria occurred in only one patient. After the onset of the condition, the condition was incomplete, the patient

ACCESSION NR: AP5007983

reported on some of these after the delirium had disappeared. Pronounced therapeutic effect with respect to the basic illness was noted in three patients stemming from the delirium experience; profound and persistent remission was established in two; in one, improvement of the condition made release from the hospital possible. Other instances are also reported in extensive detail. The authors conclude that due to the possibility of the severe complication described, special caution must be exercised with respect to combination treatment using tofranil and neuroleptics in patients of advanced years. In any case, when treatment is carried out the danger of a rapid decrease or increase in dosages, rapid administration of supplementary medicinals and replacement of one, preparation by another must be taken into account. When signs of confusion develop, it is recommended that immediate complete replacement of all preparations be carried out (including the corrector), since reduction of the dosage or replacement of one of the preparations has been found to be ineffective.

ASSOCIATION: Klinika vozrastnykh psikhovoz Instituta psikiatrii Ministerstva zdoravookhraneniya RSFSR, Moscow (Clinic of Age-Related Psychoses of the Institute of Psychiatry, Ministry of Health RSFSR)

Card 3/4

ACCESSION NR: AP5007983

SUBMITTED: 27 Dec 63

ENCL: 00

SUB CODE: PH, LS

NO REF SOV: 002

OTHER: 014

JPRS.

Card 4/4



VEYTS, I.V.; GUROVICH, L.V.; REISHCHEVA, N.P.

Thermodynamic properties of magnesium, calcium, strontium, barium,  
and their oxides and monohydrides in the gaseous state. Zhur.fiz.khim.  
32 no.11:2532-2542. N '58. (MIRA 12:1)

1. Institut goryuchikh iskopayemykh, Moskva.  
(Alkaline earth compounds--Thermal properties)

GUROVICH, Mark Grigor'yevich [Hurovych, M.H.]; MOSENZON, I., red.;  
KOPITKOVA, N., tekhn.red.

[Planning the national economy of the U.S.S.R. at the present-day stage] Planuvannia narodnoho hospodarstva SRSR na suchasnomu etapi. Kyiv, Derzh.vyd-vo polit.lit-ry URSR, 1960. 253 p.  
(MIRA 13:7)

(Russia--Economic policy)

GUROVICH, N.A.; CHIZHIKOV, D.M.; DENISOVA, G.M.

Hydrolysis of solutions of indium sulfate. Trudy Inst. met. no.2:  
78-86 '56. (MIRA 10:11)  
(Indium sulfate) (Hydrolysis)

USSR/Inorganic Chemistry - Complex Compounds

C.

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4120

Author : Chizhikov, D.M., Gurovich, N.A., Denisova, G.M.

Title : Hydrolysis of Indium Sulfate Solutions in the Presence of Arsenic.

Orig Pub : Zh. prikl. khimii, 1956, 29, No 5, 798-799

Abstract : The effect of As(3+) and As(5+) on hydrolysis of solutions of  $\text{In}_2(\text{SO}_4)_3$  was investigated by potentiometric

titration and determination of equilibrium values of pH, in precipitation of In depending on its content in the solution. As(3+) does not affect the hydrolysis, As(5+) lowers the pH of precipitation from 3.6 to 2.1. Composition of the precipitate corresponds to the formula  $5\text{In}_2\text{O}_3 \cdot 3\text{As}_2\text{O}_5 \cdot x\text{H}_2\text{O}$ .

Card 1/1

- 29 -

137-1958-2-2605

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 57 (USSR)

AUTHORS: Gurovich, N. A., Chizhikov, D. M., Denisova, G. M.

TITLE: Hydrolyzing Indium-Sulfate Solutions (Gidroliz rastvorov sernokislogo indiya)

PERIODICAL: Tr. in-ta metallurgii AN SSSR, 1957, Nr 2, pp 78-86

ABSTRACT: A study was made of a process of hydrolytic precipitation of In from pure solutions and from solutions containing ions of Zn, Cd, Cu, As, and Al. Two investigative procedures were used: an equilibrium method and a dynamic method (potentiometric titration). The pH value for the complete precipitation of In from sulfuric solutions was determined as a function of the temperature. At 25° the pH value equalled 4.85, at 45° 4.79, at 65° 4.67. The hydrolysis constants were computed, and from these it followed that in the In concentration range under study, hydrolysis of the In sulfate solution at 25° was accompanied by the formation of a basic salt; when it occurred at 45° and 65°, a hydroxide formed. The presence of Cd, Zn, Cu, As<sup>3+</sup>, and Al did not cause a shift in the pH for In precipitation when the solutions

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137-1958-2,2605

#### Hydrolyzing Indium-Sulfate Solutions

were hydrolyzed. When  $\text{As}^{5+}$  ions were present, the pH value for In precipitation declined because of the formation of a chemical compound of the arsenate type. The presence in the solutions of Al increased the consumption of the precipitating agent, since the pH value of the Al was very close to that of the In.

I. B.

#### 1. Indium sulfate solutions--Hydrolysis

Card 2/2

GEVORKYAN, S.V.; GUROVICH, N.A.

Solubility diagram of the  $\text{Ga}_2\text{O}_3 - \text{Na}_2\text{O} - \text{H}_2\text{O}$  system. Izv. AN Arm.  
SSR ser. khim. nauk 10 no.6:387-393 '57. (MIRA 11:6)

1. Institut metallurgii im. A.A. Baybakova AN SSSR i Khimicheskiy  
institut AN ArmSSR.

(Gallium oxide) (Sodium oxide)

AUTHOR: Novotny, Kh., Head of the Institute of Chemistry, Vienna College of Engineering  
74-27-3-6/7  
Translator: Gurovich, K. A.

TITLE: Pyrophoric Property of Metal Alloys (Pirofornost' metallicheskikh splavov)

PERIODICAL: Uspekhi Khimii, 1958, Vol. 27, Nr 3, pp. 353-364 (USSR)

ABSTRACT: At the beginning the author discusses various investigations and experiments on the pyrophoric property in some metal powders. Fricke, Lohmann, Wolf, Wolsbach (Ref. 2) discussed this property in various papers. It was found that iron-cerium alloys containing 30% iron show strongest pyrophoric property. Later on it was found that iron can be replaced by nickel, cobalt or manganese. Furthermore, technology of the production of pyrophoric alloys is discussed. A generally valid method for the determination of the pyrophoric property of the metal could not be found up to now. There still exist divergencies of opinion when a metal or its alloy has the above property. On the structure of the pyrophoric cerium alloys:

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Pyrophoric Property of Metal Alloys

74-27-3-6/7

by means of thermal analysis and investigation of the micro structure of the system cerium - copper Khanaman discovered especially strong pyrophoric compositions in a field between the eutectic and the  $Cu_2Ce$  phase especially with ~30% Cu (see diagram 1). Wukht investigated anew especially high cerium alloys (see diagrams 2 and 3). As Vogel found out only the separated powder burns in the case of pyrophoric property caused by friction. The case is similar with the cerium magnesium system. Vogel and Khanaman drew the conclusion that weakly pyrophoric metallic cerium is strongly pyrophoric in alloys if an intermediate phase forms. Its crystals are characterized by special hardness and do not oxidize at room temperature. Data on some intermetallic phases of rare earth metals with pyrophoric properties can be learned from table 1. Also uranium and Mn-Sb, Mn-As and Fe-Sb alloys have pyrophoric properties. The author discusses in detail the conditions which lead to the formation of pyrophoric property. For some time it was assumed that the degree of the pyrophoric depends on the heat of the forming alloy (cerium with

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Pyrophoric Property of Metal Alloys

74-27-3-6/7

other metals). Heat at the formation of the alloy however, is smaller than combustion heat. Table 3 illustrates the temperatures of inflammation of the pyrophoric and other easily inflammable metals and alloys. The method of production and the antecedent of the sample exert considerable influence on combustion temperature (diagram 4). The atmosphere under which the powder was produced is also of importance. It strongly influences combustion temperature. A strong crusting of the particles leads to an increase of pyrophority. Forgeable metals are not pyrophoric, eutectic alloys however, to a strong degree. On the kinetics of the combustion process; oxidation of the pyrophoric particles is described as well as the theory on the influence of the defective structure on the mechanism of oxidation. Concluding a survey is given on the pyrophoric alloys (translated from German. Lecture by Professor Kh. Novotnyy at the Institute for Metallurgy imeni A. A. Baykov, AS USSR. Translator: N. A. Gurovich; edited by I. I. Kornilov). There are 6 figures, 4 tables and 30 references, 0 of which are Soviet.

Card 5/5

1 Alloys--Thermodynamic properties

CHIZHIKOV, David Mikhaylovich; GULYANITSKAYA, Zoya Feodos'yevna;  
GUROVICH, Natal'ya Aleksandrovna; KITLER, Igor' Nikolayevich;  
KREYNGAUZ, Bella Pavlovna; NOVOSELOVA, Valentina Nikolayevna;  
PLIGINSKAYA, Lyubov' Vladimirovna; USTINOVSKIY, Boris  
Zinov'yevich; KLIMOV, V.A., red. izd-va; LAUT, V.G., tekhn. red.

[Hydro- and electrometallurgy of sulfide alloys and mattes]  
Gidroelektrometallurgiya sul'fidnykh splavov i shteynov. Mo-  
skva, Izd-vo Akad. nauk SSSR, 1962. 204 p. (MIRA 15:9)

1. Chlen-korrespondent Akademii nauk SSSR (for Chizhikov).  
(Sulfides--Metallurgy) (Hydrometallurgy)  
(Electrometallurgy)

GUROVICH, N.A.; SOKOLOVA, E.I.

Interaction of germanium dioxide and hydrogen sulfide. Trudy  
Inst. met. no.12:90-94 '63. (MIRA 16:6)

(Germanium oxide)  
(Hydrogen sulfide)

DAVYDOV, Vladimir Ivanovich; GUROVICH, N.A., kand. khim. nauk,  
retsenzent; MASLOV, V.N., kand. khim. nauk, red.

[Germanium] Germanii. Moskva, Metallurgii, 1964. 135 p.  
(MIRA 17:11)

GUROVICH, N.A.; SOKOLOVA, E.I.

Interaction between germanium dioxide and elementary sulfur  
and pyrite. Zhur. neorg. khim. 9 no.7:1534-1536 J1 '64.

Oxidation of germanium disulfide. Ibid.:1537-1541

(MIRA 17:9)

GUROVICH, Polina Vaniaminovna; ZORINA, D.Yu., otvetstvennyy redaktor;  
GINTSBERG, L.V., redaktor izdatel'stva; MAKUNI, Ye.V., tekhnicheskii  
redaktor

[Raise of the labor movement in England during 1918-1921] Pod\*en  
rabocheho dvizheniia v Anglii v 1918-1921 gg. Moskva, Izd-vo <sup>A</sup>kademi  
nauk SSSR, 1956. 222 p. (MIRA 9:11)  
(Great Britain--Labor and laboring classes)

SOKOLOV, A.V.; BERGER, I.I.; GUROVICH, R.E.; KLIMENKO, M.Ya.;  
ZAYTSEVA, S.S.; MOTINA, G.L.

Method of refining synthetic ethyl alcohol. Khim.prom.  
no.5:327-330 My '62. (MIRA 15:7)  
(Ethyl alcohol)



VOSTRIKOVA, V.N.; GUROVICH, R.E.; AEROV, M.E.; MOTINA, G.L.; ZALYALETDINOVA, R.G.

Separation of acrolein from its low concentration aqueous solutions.  
Neftekhimiia 3 no.2:254-258 Mr-Apr '63. (MIRA 16:5)

1. Nauchno-issledovatel'skiy institut sinteticheskikh spirtov  
i organicheskikh produktov.

(Acrolein)

VOSENIKOVA, V.N.; KAMOV, N.B.; GULOVICH, A.S.; SOLOVYENKO, E.M.

Liquid - vapor equilibrium in the systems acrolein - methyl ethyl ketone, isopropyl alcohol - allyl alcohol - water, and allyl alcohol - secondary butyl alcohol. Zhur. prikl. khim. 37 no.10:2210-2216 O '64.

(MIR. 17:11)

. GUROVICH, S.-----

Extend the practice of payments from limited check books. Den.  
1 kred. 19 no.3:48-50 Mr '61. (MIRA 14:3)  
(Leningrad—Building and reconstruction)  
(Leningrad—Payment)

Gurovich, S. I.

Gurovich, S. I. and Sorokin, A. Z. - "Intrathoracic tuberculosis in conjunction with tuberculosis of the bone in children," Trudy Ob"edin. nauch. soveta pri Upr. Ispoln. Khrorta, Vol. VII, 1948, p. 73-81

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949.)